R0262

aqua science engineers inc.

May 25, 2005

QUARTERLY GROUNDWATER MONITORING REPORT
APRIL 2005 GROUNDWATER SAMPLING
ASE JOB NO. 3934

at
Albany Hill Mini Mart
800 San Pablo Avenue
Albany, CA 94706

Prepared by:
AQUA SCIENCE ENGINEERS, INC.
208 W. El Pintado
Danville, CA 94526
(925) 820-9391

1.0 INTRODUCTION

Site Location (Site), See Figure 1
Albany Hill Mini Mart
800 San Pablo Avenue
Albany, CA 94706

Responsible Party
Dr. Joginder Sikand
1300 Ptarmingan Drive #1
Walnut Creek, CA 94595

Environmental Consulting Firm
Aqua Science Engineers, Inc. (ASE)
208 W. El Pintado
Danville, CA 94526
Contact: Robert Kitay, Senior Geologist
(925) 820-9391

Agency Review

Alameda County Health
Care Services Agency (ACHCSA)
1131 Harbor Bay Pkwy
Suite 250
Alameda, CA 94502
Contact: Bob Schultz
(510) 567-6700

California Regional Water
Quality Control Board (RWQCB)
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, CA 94612
Contact: Ms. Betty Graham
(510) 622-2433

The following is a report detailing the results of the April 2005 quarterly groundwater sampling at the Albany Hill Mini Mart Property. This sampling was conducted as required by the ACHCSA and RWQCB. ASE prepared this report on behalf of Dr. Joginder Sikand, the property owner and responsible party.

2.0 GROUNDWATER FLOW DIRECTION AND GRADIENT

On April 18, 2005, ASE measured the depth to groundwater in eight of the nine site monitoring wells using an electric water level sounder. Monitoring well MW-5 was not found; it had been improperly destroyed by the City of Albany during recent street improvements. The surface of the groundwater was also checked for the presence of free-floating hydrocarbons or sheen. No sheen or free-floating hydrocarbons were observed in any of the monitoring wells. Groundwater elevation data is presented in Table One. A groundwater potentiometric surface map is presented as Figure 2. The groundwater flow direction and gradient beneath the site is very inconsistent this quarter with flow direction components to the north, east, south and southwest.

3.0 GROUNDWATER SAMPLE COLLECTION AND ANALYSIS

On April 18, 2005, ASE collected groundwater samples from all site monitoring wells except for MW-5. Prior to sampling, each monitoring well was purged of three well casing volumes of groundwater using disposable polyethylene bailers. The parameters pH, temperature, and conductivity were monitored during the well purging, and samples were not collected until these parameters stabilized. Groundwater samples were collected from each well using the same polyethylene bailers and were decanted from the bottom of the bailers using low-flow emptying devices into 40-ml volatile organic analysis (VOA) vials, pre-preserved with hydrochloric acid. The samples were capped without headspace, labeled, and placed in coolers with wet ice for transport to Kiff Analytical of Davis, California (ELAP #2236) under appropriate chain-of-custody documentation. Petroleum hydrocarbon odors were noted during the purging and sampling of all the monitoring wells. Well sampling field logs are presented in Appendix A.

The well purge water was placed into a 55-gallon steel drum and labeled for temporary storage until proper disposal could be arranged.

The groundwater samples were analyzed by Kiff for total petroleum hydrocarbons as gasoline (TPH-G), benzene, toluene, ethylbenzene, and total xylenes (collectively known as BTEX), fuel oxygenates, and lead scavengers by EPA Method 8260B, and total petroleum hydrocarbons as diesel (TPH-D) by EPA Method 8015. The analytical results for this and previous sampling events are summarized in Table Two. The most recent

certified analytical report and chain-of-custody documentation are included as Appendix B.

4.0 RESULTS AND CONCLUSIONS

In general, there has been a long term decreasing trend in MTBE concentrations in groundwater samples collected in all site wells. Groundwater samples collected from monitoring wells MW-1, MW-2, and MW-4 showed increased concentrations of TPH-G and BTEX this quarter. Groundwater samples collected from monitoring wells MW-6 through MW-9 showed a decreasing trend in TPH-G and BTEX concentrations. Analytical results from monitoring well MW-3 were relatively consistent with the previous quarter's results.

In monitoring well MW-1, the TPH-G, benzene and xylenes concentrations exceeded Environmental Screening Levels (ESLs) as presented in the "Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater" document prepared by the California Regional Water Quality Control Board, San Francisco Bay Region dated July 2003. In monitoring well MW-2, the benzene concentration exceeded the ESL. In monitoring well MW-3, the TPH-G, benzene and xylenes concentrations exceeded the ESL. In monitoring well MW-4, the TPH-G, benzene, ethylbenzene, and xylenes concentrations exceeded ESLs. In monitoring well MW-6, the TPH-G concentration exceeded the ESL. In monitoring well MW-7, the TPH-G, benzene and xylenes concentrations exceeded ESLs. In monitoring well MW-8, the benzene and MTBE concentrations exceeded ESLs. In monitoring well MW-9, the TPH-G, benzene, toluene, and xylenes concentrations exceeded ESLs.

5.0 RECOMMENDATIONS

ASE recommends continued groundwater monitoring on a quarterly basis. The next groundwater sampling is scheduled for June 2005.

Additionally, ASE has been awaiting the assignment of a new ACHCSA caseworker to discuss further soil and groundwater assessment required at the site. ASE will continue assessment activities at the site during the next quarter once this case is assigned to a new case worker.

6.0 REPORT LIMITATIONS

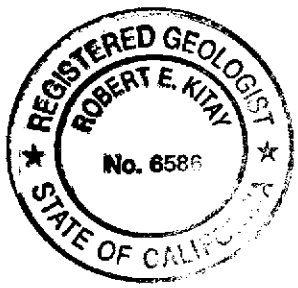
The results presented in this report represent the conditions at the time of the groundwater sampling, at the specific locations where the groundwater samples were collected, and for the specific parameters analyzed by the laboratory. It does not fully characterize the site for contamination resulting from sources other than the former underground storage tanks and associated plumbing at the site, or for parameters not analyzed by the laboratory. All of the laboratory work cited in this report was prepared under the direction of an independent CAL-DHS certified laboratory. The independent laboratory is solely responsible for the contents and conclusions of the chemical analysis data.

Aqua Science Engineers appreciates the opportunity to provide environmental consulting services for this project, and trust that this report meets your needs. Please feel free to call us at (925) 820-9391 if you have any questions or comments.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.

David Allen, R.E.A.
Senior Project Manager



Robert E. Kitay, R.G., R.E.A.
Senior Geologist

Attachments: Figures 1 and 2
Tables One and Two
Appendices A and B

cc: Mr. Bob Schultz, ACHCSA
Ms. Betty Graham, RWQCB

TABLE ONE

Groundwater Elevation Data
Albany Hill Mini Mart
800 San Pablo Avenue, Albany, CA

Well ID	Date of Measurement	Top of Casing Elevation* (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
MW-1	8/6/99	101.68	11.95	89.73
	11/5/99		12.72	88.96
	2/7/00		10.34	91.34
	5/5/00		10.59	91.09
	8/3/00		11.75	89.93
	11/8/00		11.67	90.01
	2/8/01		11.20	90.48
	6/7/01		11.35	90.33
	9/7/01		11.71	89.97
	12/13/01		10.67	91.01
	6/13/02		11.42	90.26
	9/11/02		12.42	89.26
	2/14/03	46.42	10.69	35.73
	9/10/04		13.83	32.59
	12/7/04		12.18	34.24
	4/18/05		9.92	36.50
MW-2	8/6/99	101.57	10.83	90.74
	11/5/99		11.66	89.91
	2/7/00		9.23	92.34
	5/5/00		9.54	92.03
	8/3/00		10.69	90.88
	11/8/00		10.62	90.95
	2/8/01		10.17	91.40
	6/7/01		10.30	91.27
	9/7/01		10.65	90.92
	12/13/01		9.65	91.92
	6/13/02		10.37	91.20
	9/11/02		11.32	90.25
	2/14/03	45.31	9.59	35.72
	9/10/04		11.78	33.53
	12/7/04		11.13	34.18
	4/18/05		8.71	36.60

TABLE ONE

Groundwater Elevation Data
Albany Hill Mini Mart
800 San Pablo Avenue, Albany, CA

Well ID	Date of Measurement	Top of Casing Elevation* (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
MW-3	8/6/99	100.33	10.58	89.75
	11/5/99		11.39	88.94
	2/7/00		9.05	91.28
	5/5/00		9.29	91.04
	8/3/00		10.43	89.90
	11/8/00		10.33	90.00
	2/8/01		9.94	90.39
	6/7/01		10.04	90.29
	9/7/01		10.31	90.02
	12/13/01		9.38	90.95
	6/13/02		10.03	90.30
	9/11/02		11.02	89.31
	2/14/03	45.08	9.40	35.68
	9/10/04		12.51	32.57
	12/7/04		11.86	33.22
	4/18/05		8.49	36.59
MW-4	6/13/02	100.05	10.18	89.87
	9/11/02		11.12	88.93
	2/14/03	45.20	9.51	35.69
	9/10/04		11.59	33.61
	12/7/04		10.91	34.29
	4/18/05		8.62	36.58
MW-5	6/13/02	98.37	8.88	89.49
	9/11/02		9.95	88.42
	2/14/03	44.12	8.66	35.46
	9/10/04		10.26	33.86
	12/7/04		10.79	33.33
	4/18/05	Well Destroyed by City During Street Construction		
MW-6	6/13/02	99.36	8.85	90.51
	9/11/02		9.82	89.54
	2/14/03	43.88	8.21	35.67
	9/10/04		10.33	33.55
	12/7/04		9.83	34.05
	4/18/05		7.08	36.80

TABLE ONE

Groundwater Elevation Data
Albany Hill Mini Mart
800 San Pablo Avenue, Albany, CA

Well ID	Date of Measurement	Top of Casing Elevation* (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
MW-7	6/13/02	100.96	10.95	90.01
	9/11/02		11.90	89.06
	2/14/03	45.59	10.25	35.34
	9/10/04		12.35	33.24
	12/7/04		11.42	34.17
	4/18/05		9.34	36.25
MW-8	6/13/02	100.54	10.57	89.97
	9/11/02		11.53	89.01
	2/14/03	45.59	9.98	35.61
	9/10/04		11.98	33.61
	12/7/04		11.42	34.17
	4/18/05		8.99	36.60
MW-9	2/14/03	46.86	10.84	36.02
	9/10/04		12.97	33.89
	12/7/04		12.84	34.02
	4/18/05		9.75	37.11

Notes:

Data prior to September 10, 2004, including survey data, is based on tables compiled by AARS.

* Top of casing elevations were initially surveyed to an arbitrary benchmark. The elevations were resurveyed on November 11, 2002 with respect mean sea level.

TABLE TWO

Summary of Analytical Results for GROUNDWATER Samples
Albany Hill Mini Mart
800 San Pablo Avenue, Albany, CA
All results are in parts per billion (ppb)

Well ID or Sample Point	Date Sampled	TPH Gasoline	TPH Diesel	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TAME	TBA	MTBE	Other VOCs
MW-1	8/6/99	1,500	1,200	4.3	2.9	9.1	28	--	--	ND	--
	11/5/99	1,800	1,400	5.1	3.2	8.9	33	--	--	ND	--
	2/7/00	1,100	890	3.3	1.9	5.6	21	--	--	ND	--
	5/7/00	970	650	2.9	1.7	4.9	18	--	--	ND	--
	8/3/00	1,200	270*	190	43	41	160	--	--	360	--
	11/8/00	4,200	230*	990	200	130	560	--	--	840**	--
	2/8/01	2,800	380*	630	130	51	250	--	--	390	--
	6/7/01	650	190	97	13	20	62	--	--	320	--
	9/7/01	970	400	260	17	44	140	--	--	460	--
	12/13/01	291	< 50	91.7	1.4	17.4	7.2	--	--	499	--
	6/13/02	5,120	2,160*	1,860	22	316	318	--	--	325	--
	11/11/02	824	< 50	216	< 5	22	20	--	--	290	--
	2/14/03	1,783	590*	546	5	90	52	--	--	321	--
	9/10/04	900	82	210	8.4	52	23	< 0.5	5.1	220	< 0.5
	12/7/04	540	< 80	130	3.1	24	14	< 0.5	< 5.0	240	< 0.5
	4/18/05	1,600	< 200	390	3.6	32	57	< 0.5	< 5.0	240	0.53 1,2-DCA
MW-2	8/6/99	ND	340	ND	ND	ND	ND	--	--	ND	--
	11/5/99	ND	420	ND	ND	ND	0.7	--	--	ND	--
	2/7/00	ND	310	ND	ND	ND	0.6	--	--	ND	--
	5/7/00	ND	280	ND	ND	ND	< 1	--	--	ND	--
	8/3/00	460	70*	79	3	43	8	--	--	3,300	--
	11/8/00	200	120	57	2	13	8	--	--	3,000	--
	2/8/01	290	80	50	1	0.6	4	--	--	3,100	--
	6/7/01	210	80	18	0.6	3	5	--	--	2,000	--
	9/7/01	230	ND	51	ND	8	8	--	--	2,400	--
	12/13/01	172	ND	53	1.2	7.7	8.4	--	--	1,780	--
	6/13/02	86	< 50	6	6.7	1.1	4.5	--	--	1,830	--
	11/11/02	1,040	< 50	5	1	< 1	3	--	--	1,250	--
	2/14/03	82	< 50	8	< 1	1	< 3	--	--	1,520	--
	9/10/04	< 100	72	1.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	620	< 1.0
	12/7/04	< 150	86	17	< 1.5	< 1.5	< 1.5	< 1.5	< 7.0	540	< 1.5
	4/18/05	280	130	55	< 1.5	4.4	< 1.5	< 1.5	< 20	840	< 1.5
MW-3	8/6/99	ND	ND	ND	ND	ND	ND	--	--	ND	--
	11/5/99	92	54	ND	ND	0.6	1.7	--	--	ND	--
	2/7/00	120	71	ND	0.6	0.8	2.2	--	--	ND	--
	5/7/00	100	68	ND	ND	0.7	1.9	--	--	ND	--
	8/3/00	910	300*	220	9	35	16	--	--	11,000**	--
	11/8/00	990	200	320	0.8	18	9	--	--	8,000	--
	2/8/01	990	110	180	21	7	24	--	--	5,200**	--
	6/7/01	370	140	62	4	8	13	--	--	6,600**	--
	9/7/01	460	ND	87	1	11	25	--	--	9,400**	--
	12/13/01	251	ND	66.8	0.9	2.6	8.4	--	--	6,610	--
	6/13/02	3,630	< 50	41	60	41	187	--	--	8,820**	--
	11/11/02	6,210	< 50	150	< 1	5	< 3	--	--	7,770	--
	2/14/03	176	< 50	31	< 1	2	< 3	--	--	5,040	--
	9/10/04	< 1,000	140	110	< 10	< 10	21	20	200	4,400	< 10
	12/7/04	1,000	150	310	19	24	50	21	< 100	4,000	< 10
	4/18/05	750	150	170	16	33	36	6.1	< 50	1,700	< 5.0

TABLE TWO

Summary of Analytical Results for GROUNDWATER Samples

Albany Hill Mini Mart

800 San Pablo Avenue, Albany, CA

All results are in parts per billion (ppb)

Well ID or Sample Point	Date Sampled	TPH Gasoline	TPH Diesel	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TAME	TBA	MTBE	Other VOCs
MW-4	6/13/02	4,460	1,500*	425	409	115	730	--	--	32	--
	11/11/02	5,150	2,380*	2,010	74	399	252	--	--	< 20	--
	2/14/03	6,360	2,410*	1,560	82	274	573	--	--	< 1	--
	9/10/04	1,600	160	370	6.5	68	93	< 1.0	10	13	1,1 (DIPE)
	12/7/04	1,900	< 200	450	8.2	72	100	< 0.9	5.4	9.5	< 0.9
	4/18/05	10,000	< 800	1,500	27	420	900	< 1.5	15	18	< 1.5
MW-5	6/13/02	536	< 50	6.4	0.6	22	23	--	--	11	--
	11/11/02	3,270	1,230*	< 1	< 1	28	8	--	--	< 1	--
	2/14/03	1,260	610*	9	7	22	5	--	--	< 1	--
	9/10/04	1,300	150	2.4	< 0.50	0.77	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50
	12/7/04	1,000	< 200	4.1	< 0.50	1.4	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50
	4/18/05	Improperly Destroyed by City of Albany During Street Improvements									
MW-6	6/13/02	2,980	1,460*	31	2.3	3.8	12	--	--	310	--
	11/11/02	3,570	1,210*	336	5	< 5	< 15	--	--	95	--
	2/14/03	3,770	1,620*	429	12	7	10	--	--	122	--
	9/10/04	< 1,000	390	2.7	< 0.50	< 0.50	< 0.50	2.3	48	280	< 0.50
	12/7/04	1,800	< 600	32	1.7	< 0.50	1.1	2.2	49	160	< 0.50
	4/18/05	1,200	1,400	34	1.3	< 0.50	0.90	0.86	19	36	< 0.50
MW-7	6/13/02	24,100	1,570*	2,310	657	945	5,430	--	--	951	--
	11/11/02	4,760	2,160*	1,820	21	316	1,141	--	--	702	--
	2/14/03	4,320	2,380*	1,020	7	223	293	--	--	1,410	--
	9/10/04	4,800	< 300	640	16	250	490	< 1.5	31	590	< 1.5
	12/7/04	990	< 300	140	3.4	49	70	4.0	< 20	960	< 2.0
	4/18/05	1,400	< 300	260	1.3	96	16	< 1.0	20	370	< 1.0
MW-8	6/13/02	20,000	7,760*	2,200	1,140	1,050	4,090	--	--	12,000	--
	11/11/02	5,010	2,010*	187	< 1	15	< 3	--	--	16,600	--
	2/14/03	1,980	< 50	607	6	113	40	--	--	11,500	--
	9/10/04	< 2,000	200	110	< 20	26	49	25	< 200	8,600	< 20
	12/7/04	2,000	280	420	< 10	40	61	31	100	6,800	< 10
	4/18/05	< 1000	250	76	< 10	23	< 10	17	< 100	3,700	< 10
MW-9	6/27/02	19,000	--	1,430	1,750	501	5,410	--	--	< 0.5	--
	11/11/02	19,000	13,200*	3,390	4,540	1,020	9,050	--	--	549	--
	2/14/03	21,300	8,200*	1,700	2,200	701	4,970	--	--	< 1	--
	9/10/04	12,000	< 1,500	890	37	280	2,000	< 5.0	< 50	< 5.0	< 5.0
	12/7/04	13,000	< 1,500	950	580	480	2,900	< 5.0	< 50	< 5.0	< 5.0
	4/18/05	9,600	< 1,000	620	180	260	1,400	< 2.5	< 25	< 2.5	< 2.5
ESL		500	640	46	130	290	13	NE	NE	1,800	Varies

Notes:

Data prior to August 2004 is based on a table compiled by AARS - ASE has not checked results against original laboratory reports.

* Does not match diesel pattern

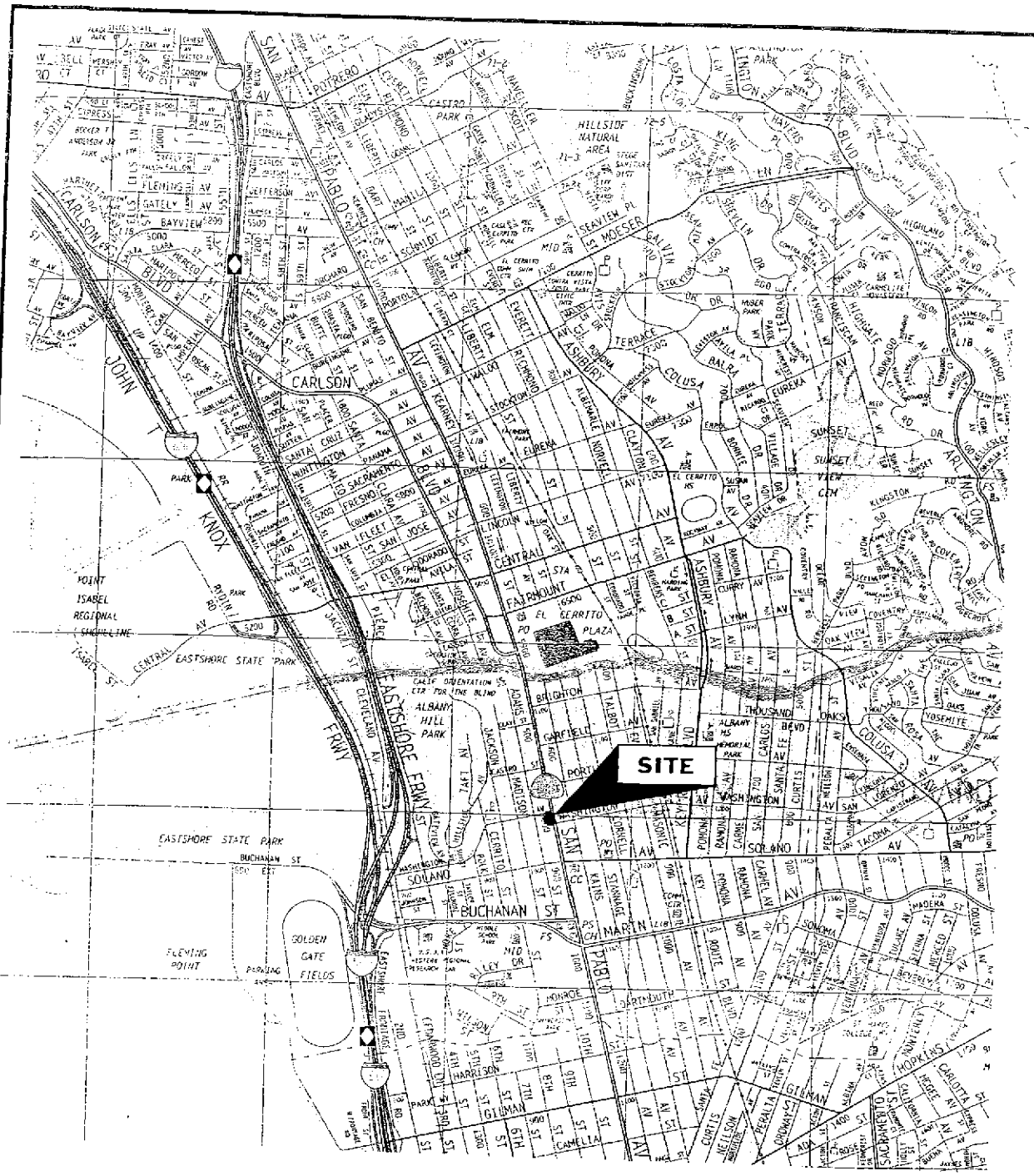
** Confirmed by GC/MS method 8260

ESL = Environmental screening levels presented in the "Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater (July 2003)" document prepared by the California Regional Water Quality Control Board, San Francisco Bay Region.

Most recent concentrations are in Bold.

Non-detectable concentrations noted by the less than sign (<) followed by the laboratory detection limit.

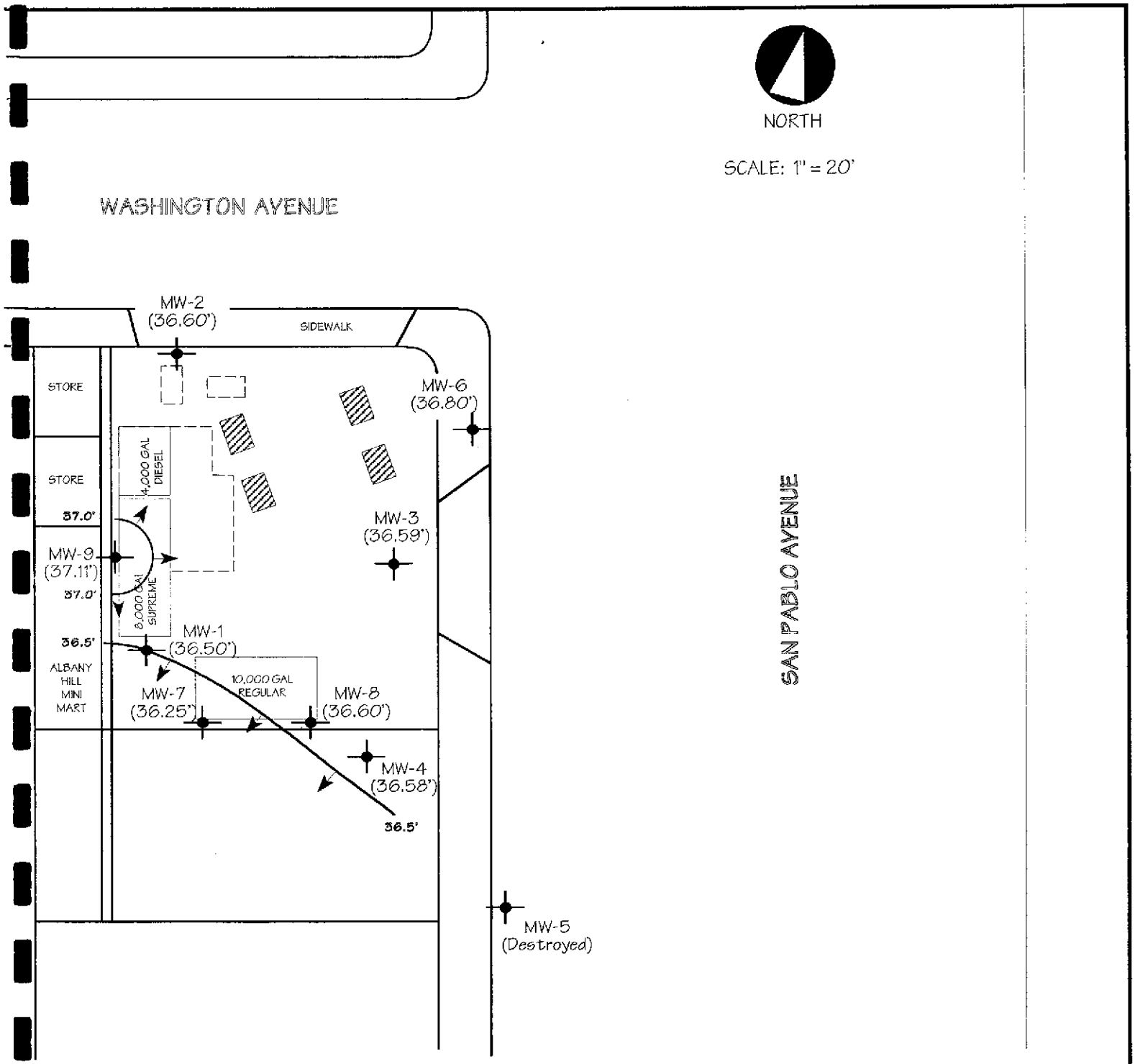
NE indicates that no ESL has been established for this compound.



SITE LOCATION MAP

ALBANY HILL MINI MART
800 SAN PABLO AVENUE
ALBANY, CALIFORNIA

AQUA SCIENCE ENGINEERS | Figure 1



LEGEND

MW-9 (37.11') — MONITORING WELL WITH GROUNDWATER ELEVATION IN FEET

GROUNDWATER ELEVATION COUNTOUR LINE WITH FLOW DIRECTION

APPROXIMATE FORMER UST LOCATION AND AREA OF EXCAVATION

POTENTIOMETRIC SURFACE CONTOUR MAP APRIL 18, 2005

ALBANY HILL MINI MART
800 SAN PABLO AVENUE
ALBANY, CALIFORNIA

AQUA SCIENCE ENGINEERS | Figure 2

APPENDIX A

Well Sampling Field Logs

aqua science engineers inc.

WELL SAMPLING FIELD LOG

Project Name and Address: Albany Hill
Job #: 3434 Date of sampling: 4-18-05
Well Name: MW-1 Sampled by: DM
Total depth of well (feet): 24.2 Well diameter (inches): 2
Depth to water before sampling (feet): 9.92
Thickness of floating product if any: 0
Depth of well casing in water (feet): 14.28
Number of gallons per well casing volume (gallons): 2.3
Number of well casing volumes to be removed: 3
Req'd volume of groundwater to be purged before sampling (gallons): 6.9
Equipment used to purge the well: DISP BAILER
Time Evacuation Began: 1225 Time Evacuation Finished: 1240
Approximate volume of groundwater purged: 7
Did the well go dry?: NO After how many gallons: —
Time samples were collected: 1245
Depth to water at time of sampling: 10.02
Percent recovery at time of sampling: 99
Samples collected with: DISP BAILER
Sample color: CLEAR Odor: SLIGHT HC
Description of sediment in sample: SILT

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1	66.8	7.12	1610
2	64.7	7.11	1580
3	66.4	7.09	1390

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-1	3	40 ml VOA	Y	Y	

aqua science engineers inc.

WELL SAMPLING FIELD LOG

Project Name and Address: Arco #7 Hilcrest
Job #: 3924 Date of sampling: 4-18-05
Well Name: MW-2 Sampled by: DF
Total depth of well (feet): 24.8 Well diameter (inches): 2
Depth to water before sampling (feet): 8.71
Thickness of floating product if any: 0
Depth of well casing in water (feet): 16.09
Number of gallons per well casing volume (gallons): 2.5
Number of well casing volumes to be removed: 3
Req'd volume of groundwater to be purged before sampling (gallons): 7.5
Equipment used to purge the well: Disp. Bailer
Time Evacuation Began: 1200 Time Evacuation Finished: 1215
Approximate volume of groundwater purged: 7.5
Did the well go dry?: No After how many gallons: —
Time samples were collected: 1220
Depth to water at time of sampling: 8.94
Percent recovery at time of sampling: 99
Samples collected with: Disp. Bailer
Sample color: Olive Odor: Petrol HC
Description of sediment in sample: Silt

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1	66.8	7.27	1110
2	66.6	7.25	915
3	66.2	7.07	870

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-2	3	40 ml VOA	HCl	Y	BTEX + MTBE by 8260

aqua science engineers inc.

WELL SAMPLING FIELD LOG

Project Name and Address: ALBANY HILL
Job #: 3934 Date of sampling: 4-18-05
Well Name: MW-3 Sampled by: DS
Total depth of well (feet): 23.5 Well diameter (inches): 2
Depth to water before sampling (feet): 8.49
Thickness of floating product if any: —
Depth of well casing in water (feet): 15.31
Number of gallons per well casing volume (gallons): 2.45
Number of well casing volumes to be removed: 3
Req'd volume of groundwater to be purged before sampling (gallons): 7.4
Equipment used to purge the well: DSP BAILER
Time Evacuation Began: 1100 Time Evacuation Finished: 1115
Approximate volume of groundwater purged: 7.5
Did the well go dry?: NO After how many gallons: —
Time samples were collected: 1250
Depth to water at time of sampling: 8.62
Percent recovery at time of sampling: 99
Samples collected with: DSP BAILER
Sample color: CLEAR Odor: SLIGHT HC
Description of sediment in sample: —

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1	68.4	6.95	1320
2	66.2	6.82	1200
3	66.6	6.80	1195

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW3	5	40 ml VOA	HCl	✓	

aqua science engineers inc.

WELL SAMPLING FIELD LOG

Project Name and Address: ALBANY HILL
Job #: 3934 Date of sampling: 4-13-05
Well Name: MW-4 Sampled by: DA
Total depth of well (feet): 24.5 Well diameter (inches): 2
Depth to water before sampling (feet): 8.62
Thickness of floating product if any: 0
Depth of well casing in water (feet): 15.88
Number of gallons per well casing volume (gallons): 2.54
Number of well casing volumes to be removed: 3
Req'd volume of groundwater to be purged before sampling (gallons): 7.6
Equipment used to purge the well: DISP. BAILER
Time Evacuation Began: 1300 Time Evacuation Finished: 1315
Approximate volume of groundwater purged: 8
Did the well go dry?: NO After how many gallons: —
Time samples were collected: 1320
Depth to water at time of sampling: 8.84
Percent recovery at time of sampling: 94
Samples collected with: DISP. BAILER
Sample color: CLEAR Odor: STRONG HC
Description of sediment in sample: SILT

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1	67.0	6.80	2410
2	66.9	6.79	2212
3	66.9	6.76	2265

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-4	5	40 ml VOA	HCl	Y	

aqua science engineers inc.

WELL SAMPLING FIELD LOG

Project Name and Address: ALBANY HILL
Job #: 3934 Date of sampling: 4.18.95
Well Name: MW-6 Sampled by: DA
Total depth of well (feet): 24.7 Well diameter (inches): 2
Depth to water before sampling (feet): 7.08
Thickness of floating product if any: 0
Depth of well casing in water (feet): 17.62
Number of gallons per well casing volume (gallons): 2.82
Number of well casing volumes to be removed: 3
Req'd volume of groundwater to be purged before sampling (gallons): 8.5
Equipment used to purge the well: DISP BAILER
Time Evacuation Began: 1125 Time Evacuation Finished: 1140
Approximate volume of groundwater purged: 9
Did the well go dry?: NO After how many gallons: —
Time samples were collected: 1145
Depth to water at time of sampling: 7.21
Percent recovery at time of sampling: 99
Samples collected with: DISP. BAILER
Sample color: CLEAR Odor: NONE
Description of sediment in sample: SILT

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1	67.3	7.21	1130
2	66.9	6.70	1020
3	66.3	7.12	995

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-6	5	40 mL VOA	HCl	Y	

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME ALBANY HILL

JOB NUMBER 3934 DATE OF SAMPLING 4-15-05

WELL ID. MW-7 SAMPLER DA

TOTAL DEPTH OF WELL 19.4 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 9.34

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 10.06

NUMBER OF GALLONS PER WELL CASING VOLUME 1.6

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 4.8

EQUIPMENT USED TO PURGE WELL DISPOSABLE BAILER

TIME EVACUATION STARTED 1325 TIME EVACUATION COMPLETED 1340

TIME SAMPLES WERE COLLECTED 1345

DID WELL GO DRY NO AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 5

SAMPLING DEVICE DISPOSABLE BAILER

SAMPLE COLOR OLIVE ODOR/SEDIMENT SLIGHT HC/SILT

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	68.4	6.98	1705
2	66.6	6.94	1510
3	66.9	6.96	1620

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-7	5	40 ml VOA		✓

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME ALBANY HILL

JOB NUMBER 3934 DATE OF SAMPLING 4-18-05

WELL ID. MW-8 SAMPLER DA

TOTAL DEPTH OF WELL 19.2 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 8.99

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 10.03

NUMBER OF GALLONS PER WELL CASING VOLUME 1.6

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 4.8

EQUIPMENT USED TO PURGE WELL DISPOSABLE BAILER

TIME EVACUATION STARTED 1350 TIME EVACUATION COMPLETED 1400

TIME SAMPLES WERE COLLECTED 1405

DID WELL GO DRY NO AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 5

SAMPLING DEVICE DISPOSABLE BAILER

SAMPLE COLOR CLEAR ODOR/SEDIMENT NONE/SILT

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	67.4	7.11	1285
2	66.5	6.95	1090
3	66.8	6.95	1100

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-8	5	40 ml VOA		✓

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME ALBANY HILL

JOB NUMBER 3934 DATE OF SAMPLING 4-18-05

WELL ID. MW-9 SAMPLER DA

TOTAL DEPTH OF WELL 16.8 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 9.75

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 7.05

NUMBER OF GALLONS PER WELL CASING VOLUME 1.2

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 3.6

EQUIPMENT USED TO PURGE WELL DISPOSABLE BAILER

TIME EVACUATION STARTED 1410 TIME EVACUATION COMPLETED 1420

TIME SAMPLES WERE COLLECTED 1430

DID WELL GO DRY NO AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 4

SAMPLING DEVICE DISPOSABLE BAILER

SAMPLE COLOR OLIVE ODOR/SEDIMENT MOD. HC / SILT

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	67.4	7.10	1410
2	66.9	7.05	1200
3	67.1	7.06	1180

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-9	5	40 ml VOA		✓

APPENDIX B

Certified Analytical Report
and
Chain of Custody Documentation

KIFF ANALYTICAL LLC

Report Number : 43308
Date : 4/25/2005

David Allen
Aqua Science Engineers, Inc.
208 West El Pintado Rd.
Danville, CA 94526

Subject : 8 Water Samples
Project Name : ALBANY HILL
Project Number : 3934

Dear Mr. Allen,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 43308
Date : 4/25/2005

Subject : 8 Water Samples
Project Name : ALBANY HILL
Project Number : 3934

Case Narrative

The Method Reporting Limit for TPH as Diesel is increased due to interference from Gasoline-Range Hydrocarbons for samples MW-1, MW-4, MW-7 and MW-9.

Approved By: Joel Kiff

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 43308
Date : 4/25/2005

Project Name : **ALBANY HILL**
Project Number : **3934**

Sample : **MW-1** Matrix : Water Lab Number : 43308-01
Sample Date :4/18/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**390**	0.50	ug/L	EPA 8260B	4/20/2005
Toluene	**3.6**	0.50	ug/L	EPA 8260B	4/20/2005
Ethylbenzene	**32**	0.50	ug/L	EPA 8260B	4/20/2005
Total Xylenes	**57**	0.50	ug/L	EPA 8260B	4/20/2005
Methyl-t-butyl ether (MTBE)	**240**	0.50	ug/L	EPA 8260B	4/20/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	4/20/2005
TPH as Gasoline	**1600**	50	ug/L	EPA 8260B	4/20/2005
1,2-Dichloroethane	**0.53**	0.50	ug/L	EPA 8260B	4/20/2005
1,2-Dibromoethane	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2005
Toluene - d8 (Surr)	88.2		% Recovery	EPA 8260B	4/20/2005
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	4/20/2005
Dibromofluoromethane (Surr)	112		% Recovery	EPA 8260B	4/20/2005
1,2-Dichloroethane-d4 (Surr)	108		% Recovery	EPA 8260B	4/20/2005
TPH as Diesel	**< 200**	200	ug/L	M EPA 8015	4/21/2005
Octacosane (Diesel Surrogate)	101		% Recovery	M EPA 8015	4/21/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 43308

Date : 4/25/2005

Project Name : **ALBANY HILL**

Project Number : **3934**

Sample : **MW-2** Matrix : Water Lab Number : 43308-02

Sample Date :4/18/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**55**	1.5	ug/L	EPA 8260B	4/20/2005
Toluene	**< 1.5**	1.5	ug/L	EPA 8260B	4/20/2005
Ethylbenzene	**4.4**	1.5	ug/L	EPA 8260B	4/20/2005
Total Xylenes	**< 1.5**	1.5	ug/L	EPA 8260B	4/20/2005
Methyl-t-butyl ether (MTBE)	**840**	1.5	ug/L	EPA 8260B	4/20/2005
Diisopropyl ether (DIPE)	**< 1.5**	1.5	ug/L	EPA 8260B	4/20/2005
Ethyl-t-butyl ether (ETBE)	**< 1.5**	1.5	ug/L	EPA 8260B	4/20/2005
Tert-amyl methyl ether (TAME)	**< 1.5**	1.5	ug/L	EPA 8260B	4/20/2005
Tert-Butanol	**< 20**	20	ug/L	EPA 8260B	4/20/2005
TPH as Gasoline	**280**	200	ug/L	EPA 8260B	4/20/2005
1,2-Dichloroethane	**< 1.5**	1.5	ug/L	EPA 8260B	4/20/2005
1,2-Dibromoethane	**< 1.5**	1.5	ug/L	EPA 8260B	4/20/2005
Toluene - d8 (Surr)	92.4		% Recovery	EPA 8260B	4/20/2005
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	4/20/2005
Dibromofluoromethane (Surr)	115		% Recovery	EPA 8260B	4/20/2005
1,2-Dichloroethane-d4 (Surr)	107		% Recovery	EPA 8260B	4/20/2005
TPH as Diesel	**130**	50	ug/L	M EPA 8015	4/21/2005
Octacosane (Diesel Surrogate)	99.8		% Recovery	M EPA 8015	4/21/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 43308

Date : 4/25/2005

Project Name : **ALBANY HILL**

Project Number : **3934**

Sample : **MW-3** Matrix : Water Lab Number : 43308-03

Sample Date :4/18/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**170**	5.0	ug/L	EPA 8260B	4/22/2005
Toluene	**16**	5.0	ug/L	EPA 8260B	4/22/2005
Ethylbenzene	**33**	5.0	ug/L	EPA 8260B	4/22/2005
Total Xylenes	**36**	5.0	ug/L	EPA 8260B	4/22/2005
Methyl-t-butyl ether (MTBE)	**1700**	5.0	ug/L	EPA 8260B	4/22/2005
Diisopropyl ether (DIPE)	**< 5.0**	5.0	ug/L	EPA 8260B	4/22/2005
Ethyl-t-butyl ether (ETBE)	**< 5.0**	5.0	ug/L	EPA 8260B	4/22/2005
Tert-amyl methyl ether (TAME)	**6.1**	5.0	ug/L	EPA 8260B	4/22/2005
Tert-Butanol	**< 50**	50	ug/L	EPA 8260B	4/22/2005
TPH as Gasoline	**750**	500	ug/L	EPA 8260B	4/22/2005
1,2-Dichloroethane	**< 5.0**	5.0	ug/L	EPA 8260B	4/22/2005
1,2-Dibromoethane	**< 5.0**	5.0	ug/L	EPA 8260B	4/22/2005
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	4/22/2005
4-Bromofluorobenzene (Surr)	95.7		% Recovery	EPA 8260B	4/22/2005
Dibromofluoromethane (Surr)	103		% Recovery	EPA 8260B	4/22/2005
1,2-Dichloroethane-d4 (Surr)	100		% Recovery	EPA 8260B	4/22/2005
TPH as Diesel	**150**	50	ug/L	M EPA 8015	4/21/2005
Octacosane (Diesel Surrogate)	104		% Recovery	M EPA 8015	4/21/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 43308
Date : 4/25/2005

Project Name : **ALBANY HILL**
Project Number : **3934**

Sample : **MW-4** Matrix : Water Lab Number : 43308-04
Sample Date :4/18/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**1500**	2.5	ug/L	EPA 8260B	4/20/2005
Toluene	**27**	1.5	ug/L	EPA 8260B	4/20/2005
Ethylbenzene	**420**	1.5	ug/L	EPA 8260B	4/20/2005
Total Xylenes	**900**	1.5	ug/L	EPA 8260B	4/20/2005
Methyl-t-butyl ether (MTBE)	**18**	1.5	ug/L	EPA 8260B	4/20/2005
Diisopropyl ether (DIPE)	**< 1.5**	1.5	ug/L	EPA 8260B	4/20/2005
Ethyl-t-butyl ether (ETBE)	**< 1.5**	1.5	ug/L	EPA 8260B	4/20/2005
Tert-amyl methyl ether (TAME)	**< 1.5**	1.5	ug/L	EPA 8260B	4/20/2005
Tert-Butanol	**15**	7.0	ug/L	EPA 8260B	4/20/2005
TPH as Gasoline	**10000**	150	ug/L	EPA 8260B	4/20/2005
1,2-Dichloroethane	**< 1.5**	1.5	ug/L	EPA 8260B	4/20/2005
1,2-Dibromoethane	**< 1.5**	1.5	ug/L	EPA 8260B	4/20/2005
Toluene - d8 (Surr)	89.0		% Recovery	EPA 8260B	4/20/2005
4-Bromofluorobenzene (Surr)	107		% Recovery	EPA 8260B	4/20/2005
Dibromofluoromethane (Surr)	115		% Recovery	EPA 8260B	4/20/2005
1,2-Dichloroethane-d4 (Surr)	106		% Recovery	EPA 8260B	4/20/2005
TPH as Diesel	**< 800**	800	ug/L	M EPA 8015	4/21/2005
Octacosane (Diesel Surrogate)	105		% Recovery	M EPA 8015	4/21/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 43308
Date : 4/25/2005

Project Name : **ALBANY HILL**
Project Number : **3934**

Sample : **MW-6** Matrix : Water Lab Number : 43308-05
Sample Date :4/18/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**34**	0.50	ug/L	EPA 8260B	4/21/2005
Toluene	**1.3**	0.50	ug/L	EPA 8260B	4/21/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	4/21/2005
Total Xylenes	**0.90**	0.50	ug/L	EPA 8260B	4/21/2005
Methyl-t-butyl ether (MTBE)	**36**	0.50	ug/L	EPA 8260B	4/21/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	4/21/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	4/21/2005
Tert-amyl methyl ether (TAME)	**0.86**	0.50	ug/L	EPA 8260B	4/21/2005
Tert-Butanol	**19**	5.0	ug/L	EPA 8260B	4/21/2005
TPH as Gasoline	**1200**	50	ug/L	EPA 8260B	4/21/2005
1,2-Dichloroethane	**< 0.50**	0.50	ug/L	EPA 8260B	4/21/2005
1,2-Dibromoethane	**< 0.50**	0.50	ug/L	EPA 8260B	4/21/2005
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	4/21/2005
4-Bromofluorobenzene (Surr)	96.3		% Recovery	EPA 8260B	4/21/2005
Dibromofluoromethane (Surr)	99.1		% Recovery	EPA 8260B	4/21/2005
1,2-Dichloroethane-d4 (Surr)	98.7		% Recovery	EPA 8260B	4/21/2005
TPH as Diesel	**1400**	50	ug/L	M EPA 8015	4/21/2005
Octacosane (Diesel Surrogate)	98.4		% Recovery	M EPA 8015	4/21/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 43308
Date : 4/25/2005

Project Name : **ALBANY HILL**
Project Number : **3934**

Sample : **MW-7** Matrix : Water Lab Number : 43308-06
Sample Date :4/18/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**260**	1.0	ug/L	EPA 8260B	4/20/2005
Toluene	**1.3**	1.0	ug/L	EPA 8260B	4/20/2005
Ethylbenzene	**96**	1.0	ug/L	EPA 8260B	4/20/2005
Total Xylenes	**16**	1.0	ug/L	EPA 8260B	4/20/2005
Methyl-t-butyl ether (MTBE)	**370**	1.0	ug/L	EPA 8260B	4/20/2005
Diisopropyl ether (DIPE)	**< 1.0**	1.0	ug/L	EPA 8260B	4/20/2005
Ethyl-t-butyl ether (ETBE)	**< 1.0**	1.0	ug/L	EPA 8260B	4/20/2005
Tert-amyl methyl ether (TAME)	**< 1.0**	1.0	ug/L	EPA 8260B	4/20/2005
Tert-Butanol	**20**	10	ug/L	EPA 8260B	4/20/2005
TPH as Gasoline	**1400**	100	ug/L	EPA 8260B	4/20/2005
1,2-Dichloroethane	**< 1.0**	1.0	ug/L	EPA 8260B	4/20/2005
1,2-Dibromoethane	**< 1.0**	1.0	ug/L	EPA 8260B	4/20/2005
Toluene - d8 (Surr)	93.2		% Recovery	EPA 8260B	4/20/2005
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	4/20/2005
Dibromofluoromethane (Surr)	112		% Recovery	EPA 8260B	4/20/2005
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	4/20/2005
TPH as Diesel	**< 300**	300	ug/L	M EPA 8015	4/21/2005
Octacosane (Diesel Surrogate)	109		% Recovery	M EPA 8015	4/21/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 43308

Date : 4/25/2005

Project Name : **ALBANY HILL**

Project Number : **3934**

Sample : **MW-8** Matrix : Water Lab Number : 43308-07

Sample Date :4/18/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**76**	10	ug/L	EPA 8260B	4/20/2005
Toluene	**< 10**	10	ug/L	EPA 8260B	4/20/2005
Ethylbenzene	**23**	10	ug/L	EPA 8260B	4/20/2005
Total Xylenes	**< 10**	10	ug/L	EPA 8260B	4/20/2005
Methyl-t-butyl ether (MTBE)	**3700**	10	ug/L	EPA 8260B	4/20/2005
Diisopropyl ether (DIPE)	**< 10**	10	ug/L	EPA 8260B	4/20/2005
Ethyl-t-butyl ether (ETBE)	**< 10**	10	ug/L	EPA 8260B	4/20/2005
Tert-amyl methyl ether (TAME)	**17**	10	ug/L	EPA 8260B	4/20/2005
Tert-Butanol	**< 100**	100	ug/L	EPA 8260B	4/20/2005
TPH as Gasoline	**< 1000**	1000	ug/L	EPA 8260B	4/20/2005
1,2-Dichloroethane	**< 10**	10	ug/L	EPA 8260B	4/20/2005
1,2-Dibromoethane	**< 10**	10	ug/L	EPA 8260B	4/20/2005
Toluene - d8 (Surr)	99.3		% Recovery	EPA 8260B	4/20/2005
4-Bromofluorobenzene (Surr)	96.3		% Recovery	EPA 8260B	4/20/2005
Dibromofluoromethane (Surr)	105		% Recovery	EPA 8260B	4/20/2005
1,2-Dichloroethane-d4 (Surr)	100		% Recovery	EPA 8260B	4/20/2005
TPH as Diesel	**250**	50	ug/L	M EPA 8015	4/21/2005
Octacosane (Diesel Surrogate)	106		% Recovery	M EPA 8015	4/21/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 43308

Date : 4/25/2005

Project Name : **ALBANY HILL**

Project Number : **3934**

Sample : **MW-9** Matrix : Water Lab Number : 43308-08

Sample Date :4/18/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**620**	2.5	ug/L	EPA 8260B	4/21/2005
Toluene	**180**	2.5	ug/L	EPA 8260B	4/21/2005
Ethylbenzene	**260**	2.5	ug/L	EPA 8260B	4/21/2005
Total Xylenes	**1400**	2.5	ug/L	EPA 8260B	4/21/2005
Methyl-t-butyl ether (MTBE)	**< 2.5**	2.5	ug/L	EPA 8260B	4/21/2005
Diisopropyl ether (DIPE)	**< 2.5**	2.5	ug/L	EPA 8260B	4/21/2005
Ethyl-t-butyl ether (ETBE)	**< 2.5**	2.5	ug/L	EPA 8260B	4/21/2005
Tert-amyl methyl ether (TAME)	**< 2.5**	2.5	ug/L	EPA 8260B	4/21/2005
Tert-Butanol	**< 25**	25	ug/L	EPA 8260B	4/21/2005
TPH as Gasoline	**9600**	250	ug/L	EPA 8260B	4/21/2005
1,2-Dichloroethane	**< 2.5**	2.5	ug/L	EPA 8260B	4/21/2005
1,2-Dibromoethane	**< 2.5**	2.5	ug/L	EPA 8260B	4/21/2005
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	4/21/2005
4-Bromofluorobenzene (Surr)	96.8		% Recovery	EPA 8260B	4/21/2005
Dibromofluoromethane (Surr)	101		% Recovery	EPA 8260B	4/21/2005
1,2-Dichloroethane-d4 (Surr)	99.2		% Recovery	EPA 8260B	4/21/2005
TPH as Diesel	**< 1000**	1000	ug/L	M EPA 8015	4/21/2005
Octacosane (Diesel Surrogate)	99.4		% Recovery	M EPA 8015	4/21/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Report Number : 43308

Date : 4/25/2005

QC Report : Method Blank Data

Project Name : **ALBANY HILL**

Project Number : **3934**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	4/20/2005
Octacosane (Diesel Surrogate)	97.6		%	M EPA 8015	4/20/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	4/20/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/20/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/20/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/20/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	4/20/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	4/20/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	4/20/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	4/20/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	4/20/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/20/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	4/20/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	4/20/2005
Toluene - d8 (Surr)	99.7		%	EPA 8260B	4/20/2005
4-Bromofluorobenzene (Surr)	95.8		%	EPA 8260B	4/20/2005
Dibromofluoromethane (Surr)	103		%	EPA 8260B	4/20/2005
1,2-Dichloroethane-d4 (Surr)	100		%	EPA 8260B	4/20/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	4/22/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/22/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/22/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/22/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	4/22/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	4/22/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	4/22/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	4/22/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	4/22/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/22/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	4/22/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	4/22/2005
Toluene - d8 (Surr)	100		%	EPA 8260B	4/22/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
4-Bromofluorobenzene (Surr)	94.4		%	EPA 8260B	4/22/2005
Dibromofluoromethane (Surr)	102		%	EPA 8260B	4/22/2005
1,2-Dichloroethane-d4 (Surr)	99.6		%	EPA 8260B	4/22/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	4/21/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/21/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/21/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/21/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	4/21/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	4/21/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	4/21/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	4/21/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	4/21/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/21/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	4/21/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	4/21/2005
Toluene - d8 (Surr)	99.7		%	EPA 8260B	4/21/2005
4-Bromofluorobenzene (Surr)	94.8		%	EPA 8260B	4/21/2005
Dibromofluoromethane (Surr)	100		%	EPA 8260B	4/21/2005
1,2-Dichloroethane-d4 (Surr)	100		%	EPA 8260B	4/21/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	4/19/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/19/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/19/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/19/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	4/19/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	4/19/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	4/19/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	4/19/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	4/19/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/19/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	4/19/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	4/19/2005

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 43308

Date : 4/25/2005

QC Report : Method Blank Data

Project Name : **ALBANY HILL**

Project Number : **3934**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Toluene - d8 (Surr)	88.1		%	EPA 8260B	4/19/2005
4-Bromofluorobenzene (Surr)	103		%	EPA 8260B	4/19/2005
Dibromofluoromethane (Surr)	116		%	EPA 8260B	4/19/2005
1,2-Dichloroethane-d4 (Surr)	104		%	EPA 8260B	4/19/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	4/20/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/20/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/20/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/20/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	4/20/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	4/20/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	4/20/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	4/20/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	4/20/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/20/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	4/20/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	4/20/2005
Toluene - d8 (Surr)	93.4		%	EPA 8260B	4/20/2005
4-Bromofluorobenzene (Surr)	106		%	EPA 8260B	4/20/2005
Dibromofluoromethane (Surr)	115		%	EPA 8260B	4/20/2005
1,2-Dichloroethane-d4 (Surr)	108		%	EPA 8260B	4/20/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 43308

Date : 4/25/2005

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **ALBANY HILL**

Project Number : **3934**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	Blank	<50	1000	1000	1020	1070	ug/L	M EPA 8015	4/20/05	102	107	4.54	70-130	25
Benzene	43310-01	<0.50	40.0	40.0	42.1	40.6	ug/L	EPA 8260B	4/20/05	105	101	3.67	70-130	25
Toluene	43310-01	<0.50	40.0	40.0	41.6	40.1	ug/L	EPA 8260B	4/20/05	104	100	3.58	70-130	25
Tert-Butanol	43310-01	<5.0	200	200	203	204	ug/L	EPA 8260B	4/20/05	102	102	0.400	70-130	25
Methyl-t-Butyl Ether	43310-01	<0.50	40.0	40.0	43.5	43.2	ug/L	EPA 8260B	4/20/05	109	108	0.655	70-130	25
Benzene	43342-12	<0.50	40.0	40.0	42.3	41.8	ug/L	EPA 8260B	4/22/05	106	104	1.23	70-130	25
Toluene	43342-12	<0.50	40.0	40.0	42.3	41.8	ug/L	EPA 8260B	4/22/05	106	104	1.36	70-130	25
Tert-Butanol	43342-12	<5.0	200	200	209	204	ug/L	EPA 8260B	4/22/05	104	102	2.28	70-130	25
Methyl-t-Butyl Ether	43342-12	<0.50	40.0	40.0	43.1	43.0	ug/L	EPA 8260B	4/22/05	108	107	0.277	70-130	25
Benzene	43328-07	<0.50	40.0	40.0	40.4	39.9	ug/L	EPA 8260B	4/21/05	101	99.8	1.12	70-130	25
Toluene	43328-07	<0.50	40.0	40.0	40.3	39.4	ug/L	EPA 8260B	4/21/05	101	98.6	2.29	70-130	25
Tert-Butanol	43328-07	<5.0	200	200	195	191	ug/L	EPA 8260B	4/21/05	97.6	95.5	2.23	70-130	25
Methyl-t-Butyl Ether	43328-07	<0.50	40.0	40.0	37.6	37.0	ug/L	EPA 8260B	4/21/05	93.9	92.4	1.55	70-130	25
Benzene	43309-02	<0.50	40.0	40.0	39.4	38.7	ug/L	EPA 8260B	4/19/05	98.6	96.8	1.86	70-130	25
Toluene	43309-02	<0.50	40.0	40.0	39.3	38.6	ug/L	EPA 8260B	4/19/05	98.3	96.5	1.82	70-130	25
Tert-Butanol	43309-02	<5.0	200	200	199	202	ug/L	EPA 8260B	4/19/05	99.6	101	1.21	70-130	25
Methyl-t-Butyl Ether	43309-02	14	40.0	40.0	51.1	51.8	ug/L	EPA 8260B	4/19/05	92.6	94.4	1.94	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 43308

Date : 4/25/2005

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **ALBANY HILL**

Project Number : **3934**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	43311-01	<0.50	40.0	40.0	38.4	36.5	ug/L	EPA 8260B	4/20/05	95.9	91.2	5.00	70-130	25
Toluene	43311-01	4.7	40.0	40.0	44.2	42.9	ug/L	EPA 8260B	4/20/05	98.8	95.5	3.42	70-130	25
Tert-Butanol	43311-01	<5.0	200	200	191	189	ug/L	EPA 8260B	4/20/05	95.7	94.6	1.16	70-130	25
Methyl-t-Butyl Ether	43311-01	<0.50	40.0	40.0	41.8	41.3	ug/L	EPA 8260B	4/20/05	104	103	1.08	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 43308

Date : 4/25/2005

QC Report : Laboratory Control Sample (LCS)

Project Name : **ALBANY HILL**

Project Number : **3934**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	4/20/05	99.6	70-130
Toluene	40.0	ug/L	EPA 8260B	4/20/05	102	70-130
Tert-Butanol	200	ug/L	EPA 8260B	4/20/05	101	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	4/20/05	102	70-130
Benzene	40.0	ug/L	EPA 8260B	4/22/05	98.5	70-130
Toluene	40.0	ug/L	EPA 8260B	4/22/05	101	70-130
Tert-Butanol	200	ug/L	EPA 8260B	4/22/05	99.6	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	4/22/05	103	70-130
Benzene	40.0	ug/L	EPA 8260B	4/21/05	96.7	70-130
Toluene	40.0	ug/L	EPA 8260B	4/21/05	98.6	70-130
Tert-Butanol	200	ug/L	EPA 8260B	4/21/05	94.0	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	4/21/05	92.0	70-130
Benzene	40.0	ug/L	EPA 8260B	4/19/05	94.4	70-130
Toluene	40.0	ug/L	EPA 8260B	4/19/05	95.1	70-130
Tert-Butanol	200	ug/L	EPA 8260B	4/19/05	94.9	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	4/19/05	107	70-130
Benzene	40.0	ug/L	EPA 8260B	4/20/05	95.0	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 43308

Date : 4/25/2005

QC Report : Laboratory Control Sample (LCS)

Project Name : **ALBANY HILL**

Project Number : **3934**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Toluene	40.0	ug/L	EPA 8260B	4/20/05	99.4	70-130
Tert-Butanol	200	ug/L	EPA 8260B	4/20/05	96.0	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	4/20/05	112	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

43308

Aqua Science Engineers, Inc.
208 W. El Pintado Road
Danville, CA 94526
(925) 820-9391
FAX (925) 837-4853

Chain of Custody

PAGE 1 OF 1

SAMPLER (SIGNATURE)

PROJECT NAME ALBANY HILL JOB NO. ~~9480~~ 3434

ADDRESS 800 SAN PABLO AVE.

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:

SAMPLE ID.	DATE	TIME	MATRIX	NO. OF SAMPLES	TPH-GAS / MTBE & BTEX (EPA 5030/8015-8020)	TPH-DIESEL (EPA 3510/8015)	TPH-DIESEL & MOTOR OIL (EPA 3510/8015)	PURGEABLE HALOCARBONS (EPA 601/8010)	VOLATILE ORGANICS (EPA 624/8240/8260)	SEMI-VOLATILE ORGANICS (EPA 625/8270)	OIL & GREASE (EPA 5520)	LUFT METALS (5) (EPA 6010+7000)	CAM 17 METALS (EPA 6010+7000)	PCBs & PESTICIDES (EPA 608/8080)	ORGANOPHOSPHORUS PESTICIDES (EPA 8140 EPA 608/8080)	FUEL OXYGENATES (EPA 8260)	Pb (TOTAL or DISSOLVED) (EPA 6010)	TPH-G/BTEX/5 OXY'S (EPA 8260)	TPH-G/BTEX/ 5 OXY'S & LEAD SCAVANGERS (EPA 8260)	EDF	HOLD	
MW-1	4/18/05	1245	water	5		X													X	X		01
MW-2		1220				X													X	X		02
MW-3		1250				X													X	X		03
MW-4		1320				X													X	X		04
MW-6		1405				X													X	X		05
MW-7		1345				X													X	X		06
MW-8		1405				X													X	X		07
MW-9		1430				X													X	X		08

RELINQUISHED BY: (signature) (time)	RECEIVED BY: (signature) (time)	RELINQUISHED BY: (signature) (time)	RECEIVED BY LABORATORY: Jason N Hernandez 1152 (signature) (time)	COMMENTS:
D. ALLEN 04/19/05 (printed name) (date)	(printed name) (date)	(printed name) (date)	Jason N Hernandez 041905 (printed name) (date)	TURN AROUND TIME: STANDARD 24Hr 48Hr 72Hr
Company- ASE. INC.	Company-	Company-	Company- Kiff Analytical LLC	OTHER: